FIG. 1

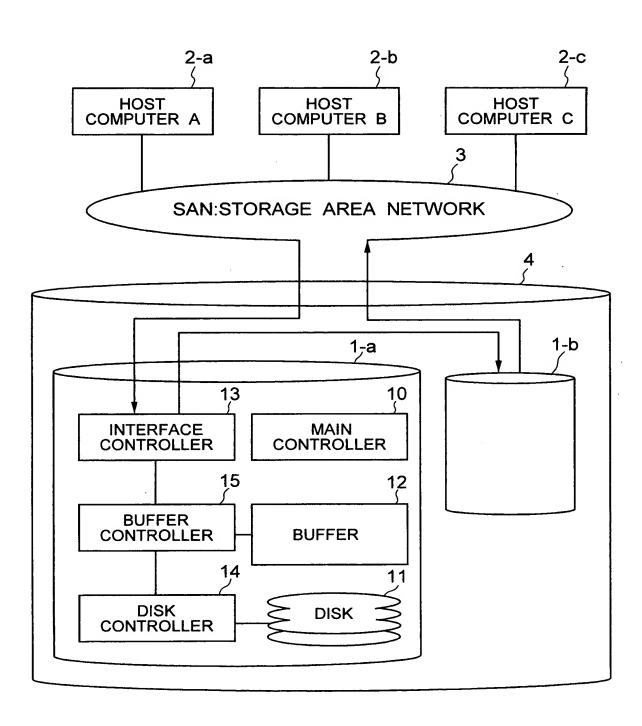


FIG. 2

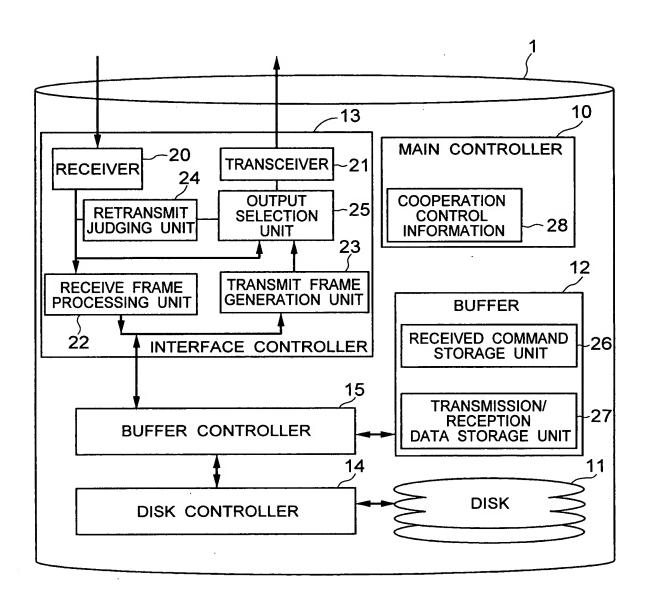
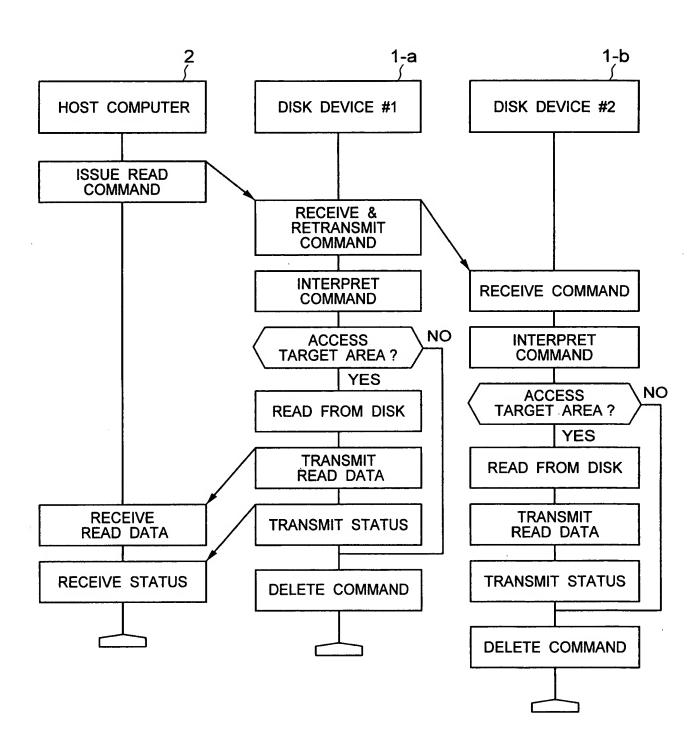
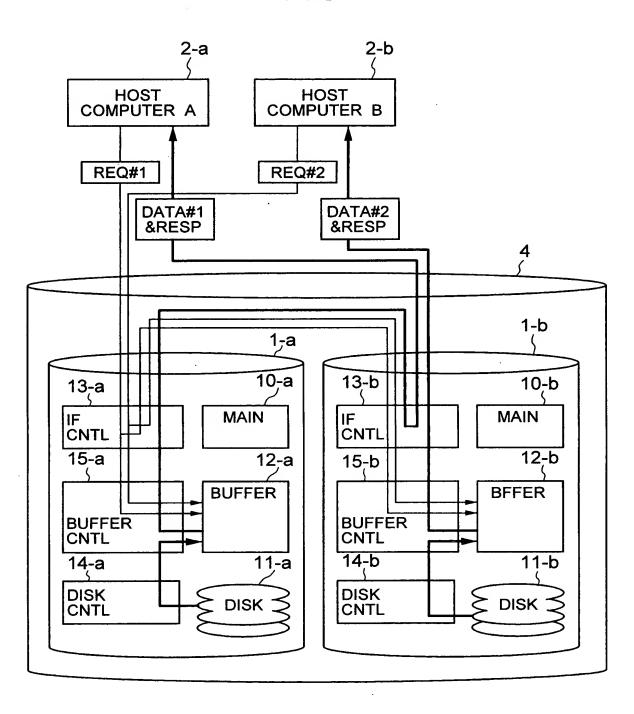


FIG. 3



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FIG. 4



5/33 FIG. 5

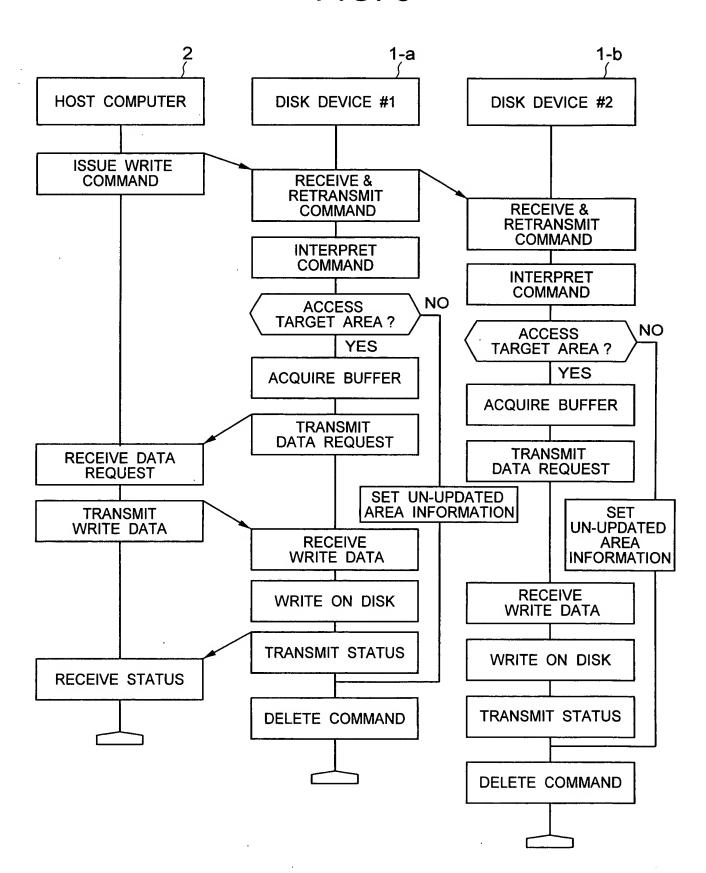


FIG. 6

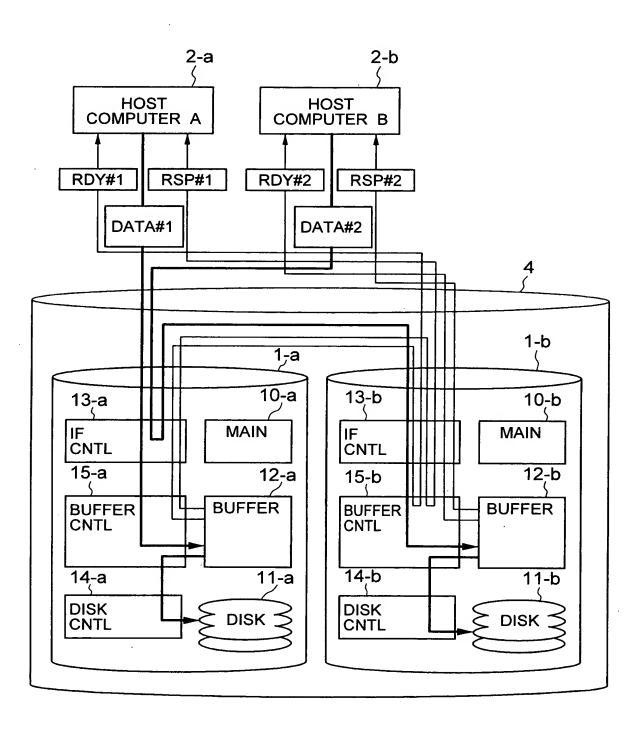


FIG. 7

**30** 

#	UN-UPDATED AREA START ADDRESS	UN-UPDATED AREA SIZE	UPDATE INFORMATION
0			
1			
2			
•			
N			

FIG. 8

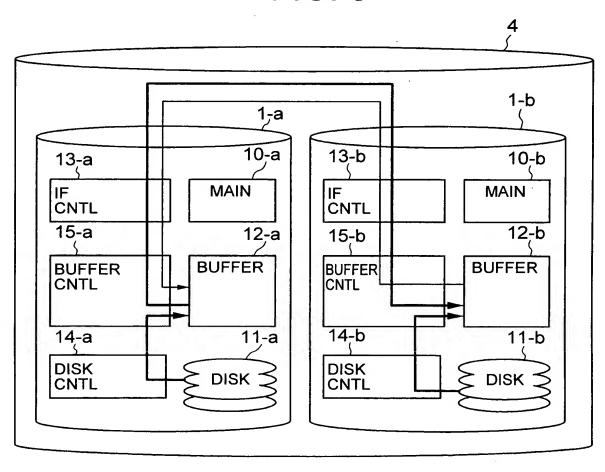


FIG. 9

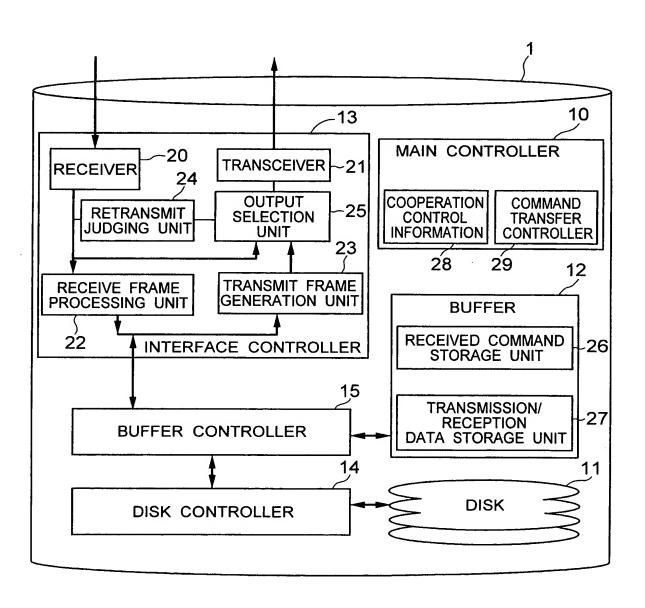


FIG. 10

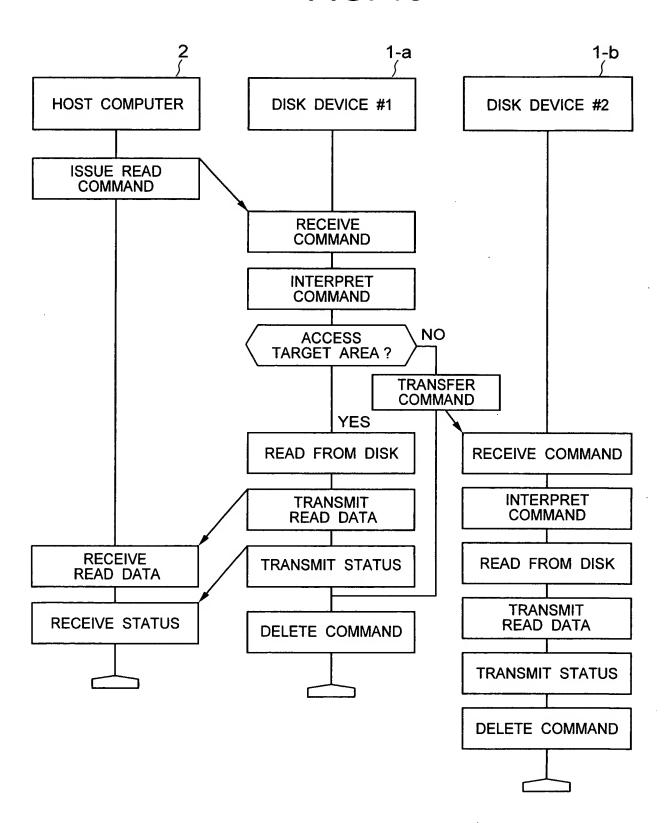
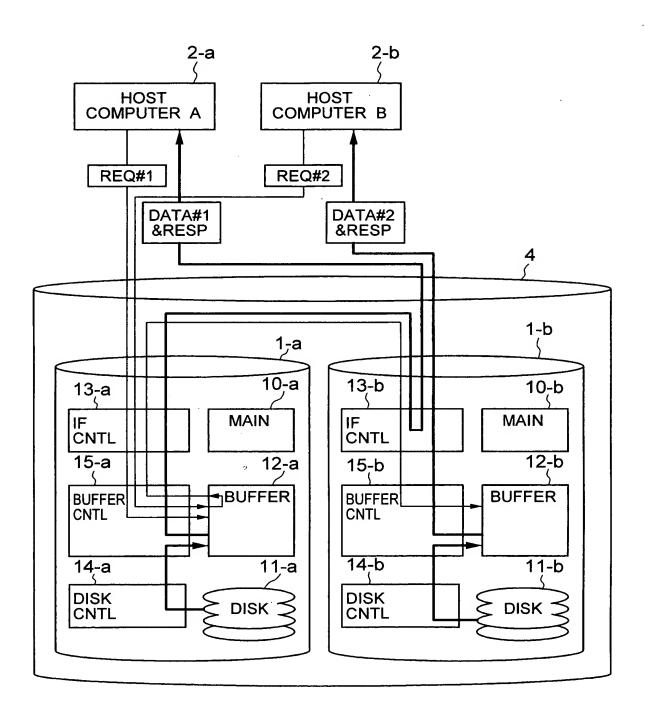


FIG. 11



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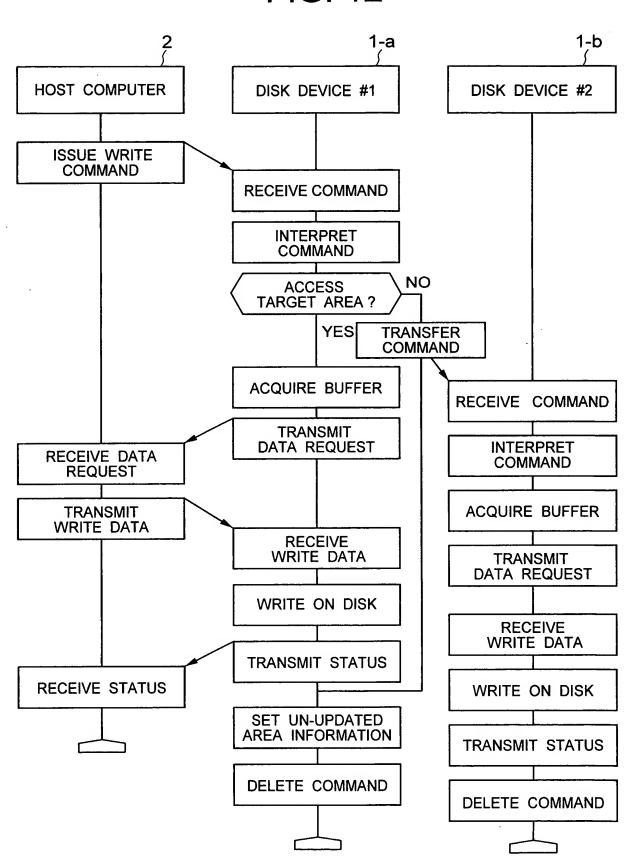
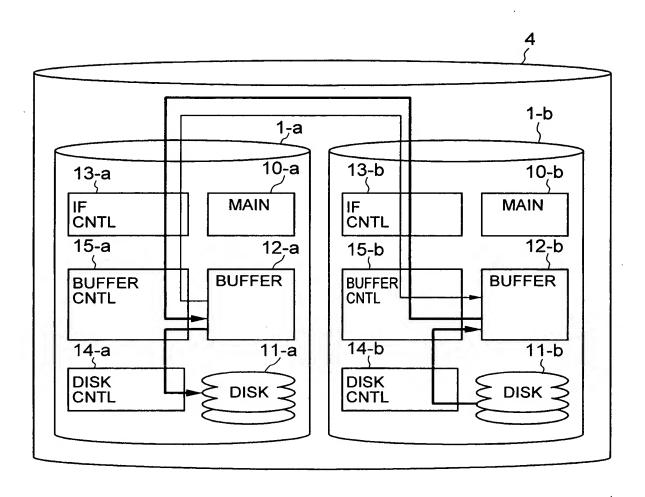


FIG. 13



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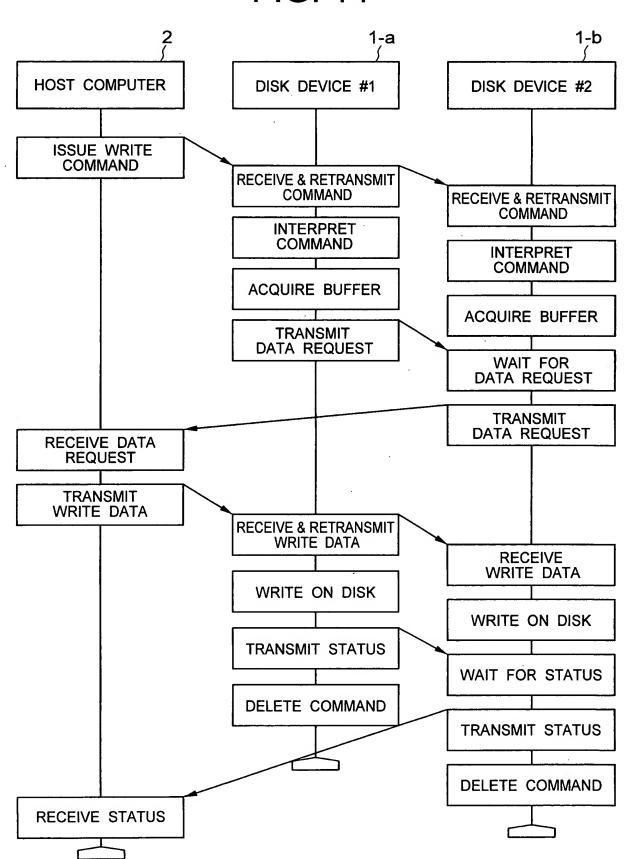
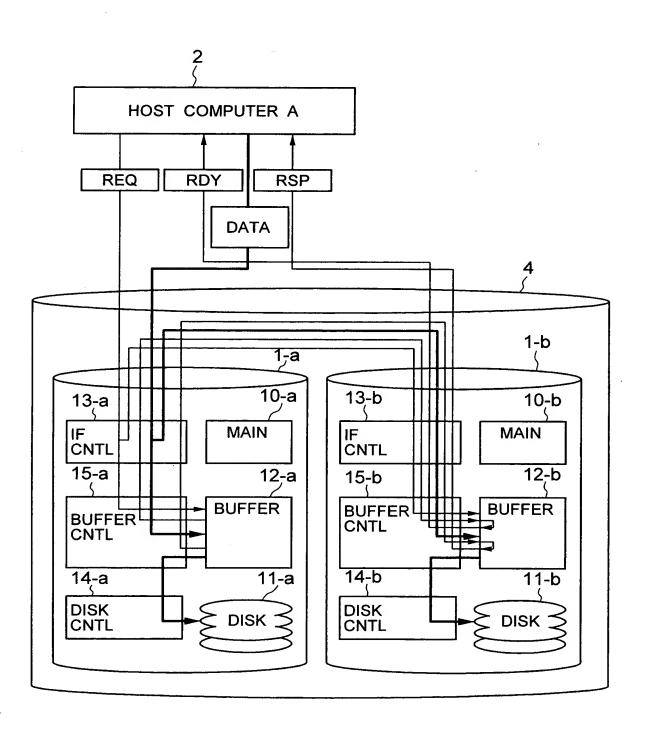


FIG. 15



### FIG. 16

COOPERATIO INFORMATIO	ON CONTROL N ITEM	EXAMPLE OF SETTING FOR STORAGE DEVICE #1	EXAMPLE OF SETTING FOR STORAGE DEVICE #2	
STORAGE S' ID (SHARE	YSTEM D ID)	ID_0	ID_0	
STORAGE D ID (UNIQUE		ID_1	ID_2	
	STORAGE DEVICE ID COOPERATION VICE)	ID_2	ID_1	
COOPERATIO (COMMAND	ON PROCESSING FRANSFER) MODE	COMMAND RETRANSMISSION	COMMAND RECEPTION	
ADEA	COOPERATION PROCESSING AREA	0- (N-1)	0- (N-1)	
AREA MANAGEMENT INFORMATION	ACTIVE AREA START ADDRESS	0	N/2	
	ACTIVE AREA SIZE	N / 2	N/2	

BIT BYTE	7	6	5	4	3	2	1		0		
0-7		FCP_LUN									
8		CO	MMAN	D REFE	RENCE	NUMB	ER				
9		F	RESERV	/ED		TASK	C AT	TRIE	BUTE		
10			TASK I	MANAG	EMENT	FLAGS	3				
11			RESE	RVED		RD D	ATA	WR	DATA		
12			O	PERATI	ои со	DE					
13	LOGIC	AL UNI	T NUM	BER		FLAC	}	•			
14-17			LOGIC	AL BLC	CK AD	DRESS					
18				RESE	RVED			•			
19-20		TRANSFER LENGTH									
21	CONTROL										
22-27		RESERVED									
28-31				FCP	DL						

FIG. 18

WORD BYTE	3	2	1	0			
0	R_CTL	D_ID					
1	CS_CTL	. S_ID					
2	TYPE	F_CTL					
3	SEQ_ID	SEQ_ID SEQ_CNT					
4	OX	_ID	RX_ID				
5	PARAMETER						

FIG. 19

. #	HOST ID (S_ID)	OX_ID	RX_ID
0	ID_3	OX_00	RX_00
1	ID_3	OX_01	RX_02
2	ID_4	OX_01	RX_04
•	_	_	notice.
N			· _

FIG. 20

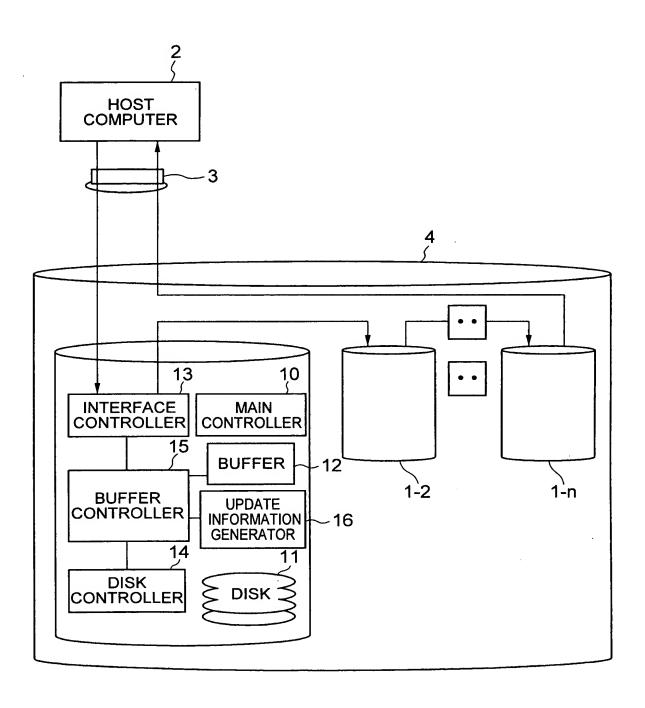
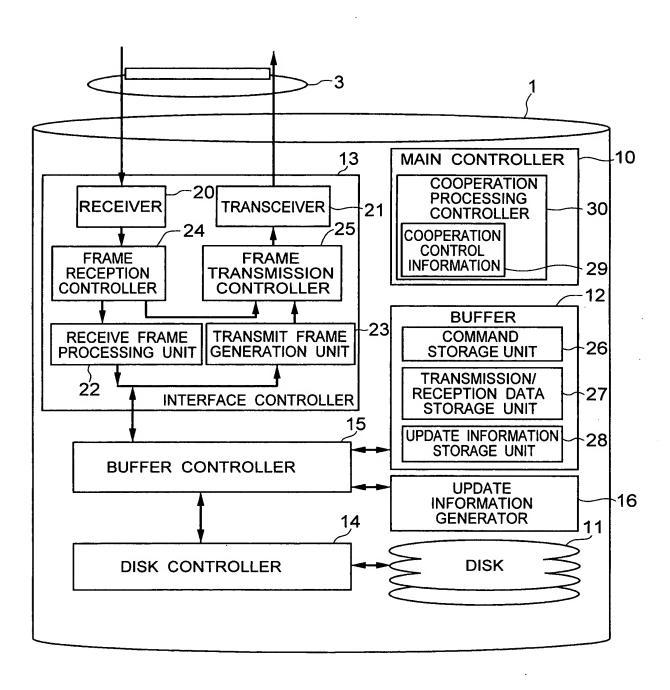


FIG. 21



COOPERATION INFORMATION I		STORAGE DEVICE #1	STORAGE DEVICE #2	STORAGE DEVICE #N
STORAGE SYST (SHARED ID)	ORAGE SYSTEM ID SHARED ID)		<b>←</b>	<b>←</b>
STORAGE DEVI (UNIQUE ID)	CE ID	ID_1	ID_2	ID_N
POSITION MAP		1	2	N
COMMAND TRA	NSFER MODE	RECEPTION & RETRANSMISSION	RECEPTION & RETRANSMISSION	RECEPTION ONLY
	RAID LEVEL	5	←	<b>←</b>
REDUNDANT CONFIGURATION	NO. OF DATA DISKS	N-1	<b>←</b>	<b>+</b>
MANAGEMENT INFORMATION	NO. OF REDUNDANT DATA DISKS	1	<b>←</b>	<b>←</b>
	REDUNDANT DATA MANAGEMENT SIZE	64 (kB)	<b>←</b>	<b>←</b>

FIG. 23

SOF HEADER PAYLOAD CRC EOF
----------------------------

FIG. 24

WORD BYTE	3	2	1	0			
0	R_CTL	D_ID					
1	CS_CTL	S_ID					
2	TYPE	F_CTL					
3	SEQ_ID	SEQ_ID SEQ_CNT					
4	OX	_ID	RX_ID				
5	PARAMETER						

FIG. 25

BYTE	7	6	5	4	3	2	1		0		
0-7		FCP_LUN									
8		COMMAND REFERENCE NUMBER									
9		F	RESERV	/ED		TASK	( AT	TRI	BUTE		
10			TASK N	//ANAGI	EMENT	FLAGS	3				
11			RESE	RVED		RD D	АТА	WR	DATA		
12			OF	PERATION	ON CO	DE					
13	LOGIC	AL UNI	T NUM	BER		FLAC	}				
14-17			LOGIC	AL BLO	CK AD	DRESS					
18				RESE	RVED						
19-20		TRANSFER LENGTH									
21	CONTROL										
22-27	RESERVED										
28-31				FCP	_DL						

FIG. 26

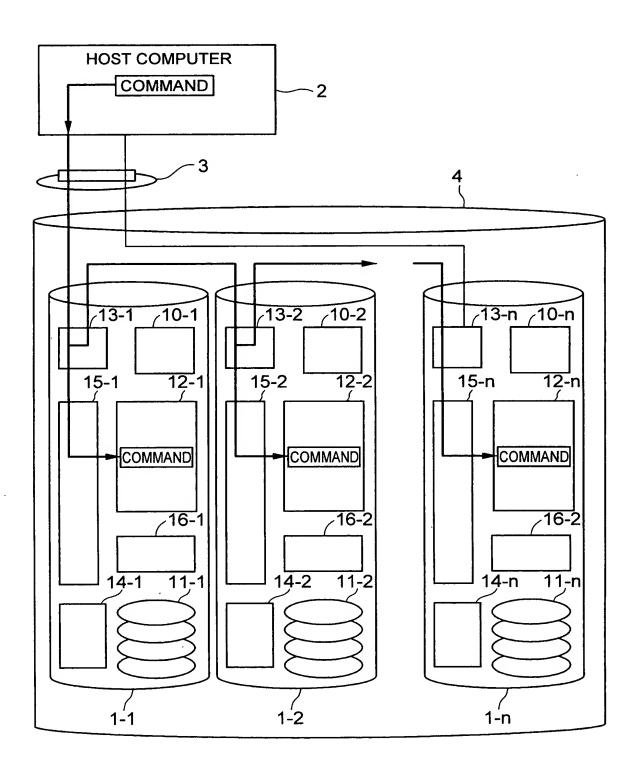


FIG. 27

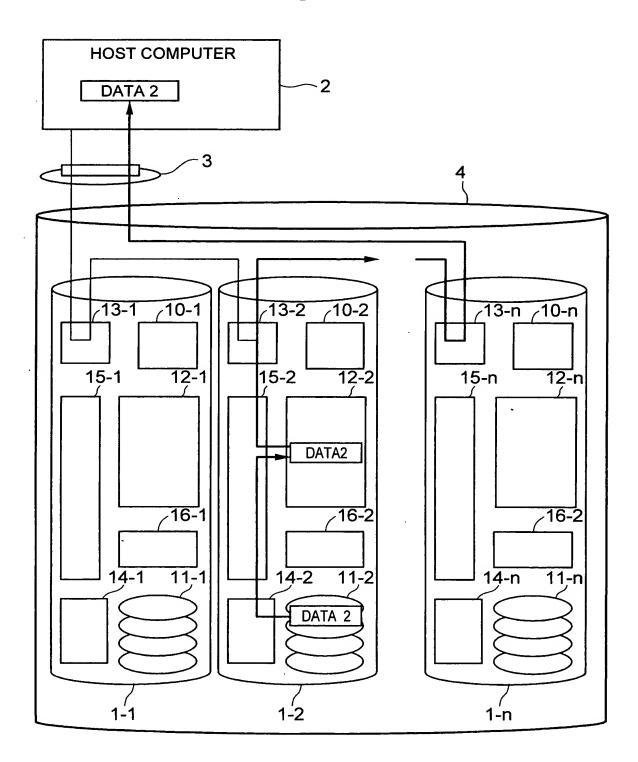
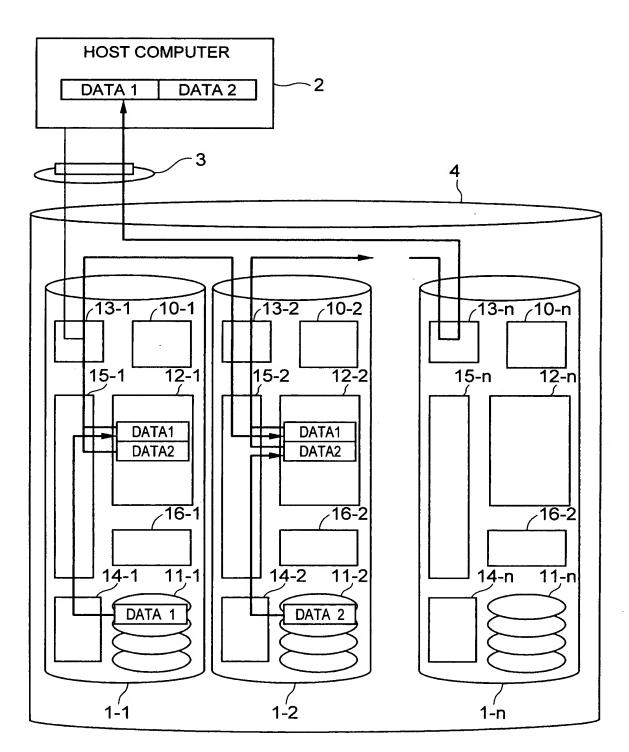


FIG. 28



BYTE BIT	7	6	5	4	3	2	1	0	
0-X		DATA_VALID BIT							
-		USER (READ/WRITE) DATA SEGMENT 0							
-		:							
		USER	(READ	WRITE	) DATA	SEGM	IENT n		

FIG. 30

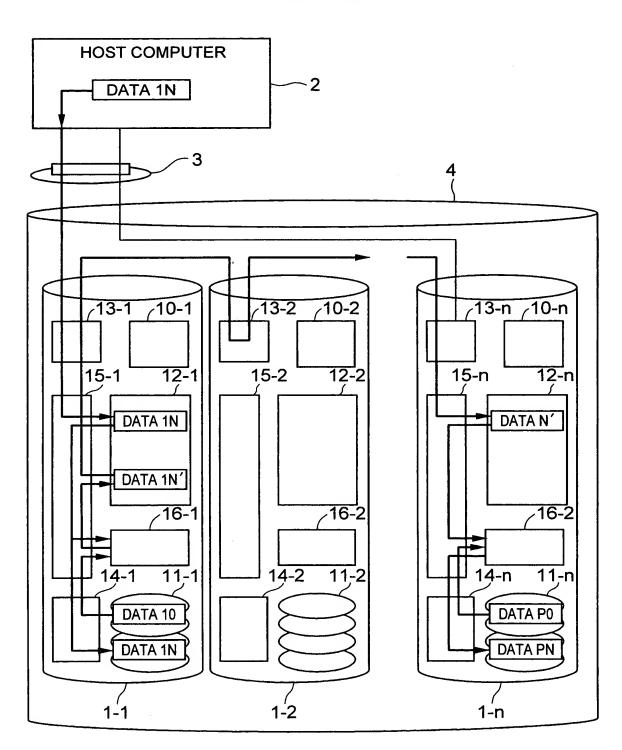


FIG. 31

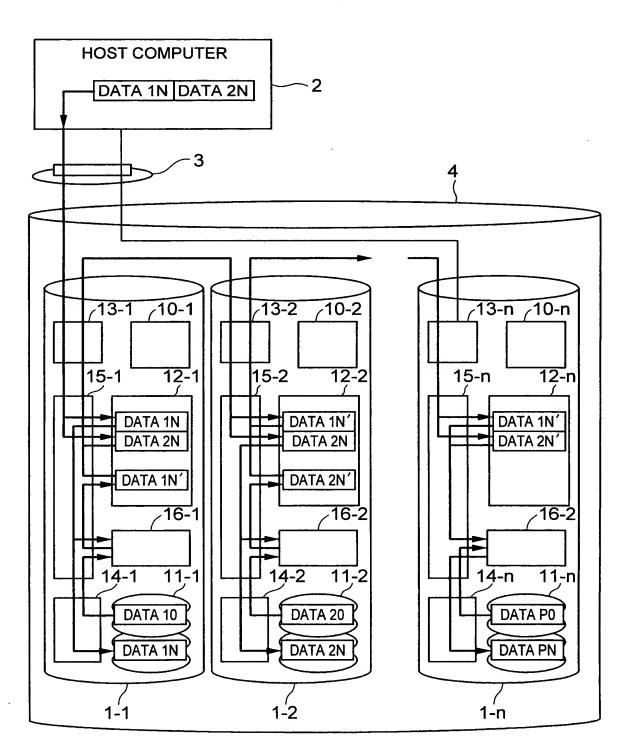
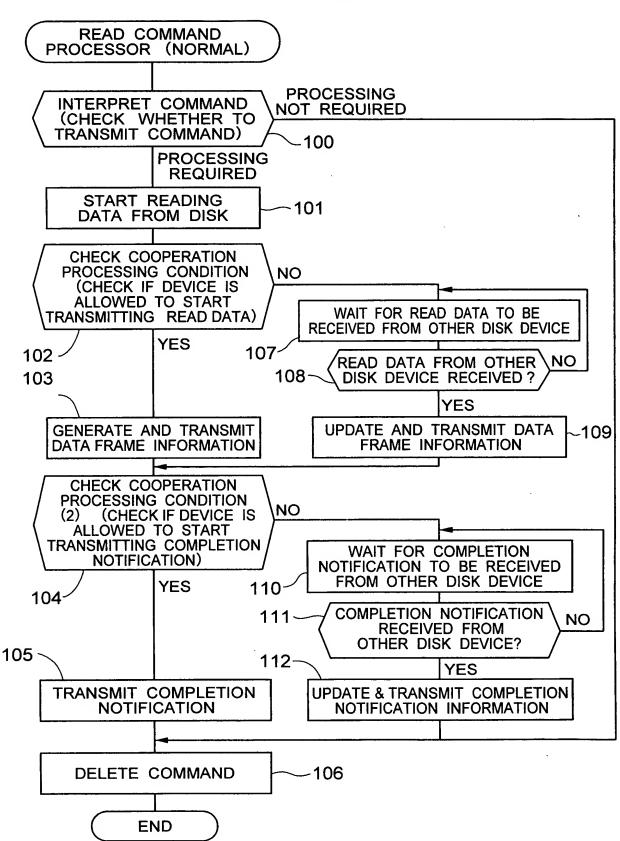
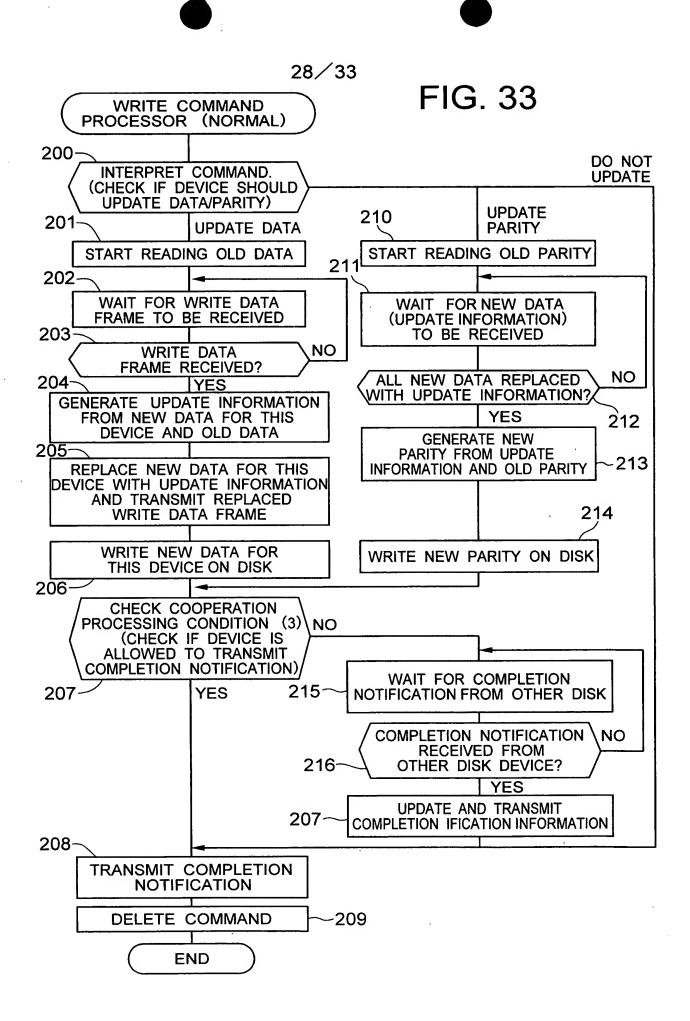


FIG. 32





COOPERATION INFORMATION I		STORAGE DEVICE #1	STORAGE DEVICE #2	STORAGE DEVICE #N
STORAGE SYST (SHARED ID)	EM ID	ID_0	<b>←</b>	<b>←</b>
STORAGE DEVI (UNIQUE ID)	CE ID	ID_1	ID_2	ID_N
POSITION MAP		1	2	N
COMMAND TRA	NSFER MODE		RECEPTION & RETRANSMISSION	RECEPTION ONLY
	RAID LEVEL	5	<b>←</b>	<b>←</b>
	NO. OF DATA DISKS	3	<b>←</b>	<b></b>
REDUNDANT CONFIGURATION	NO. OF REDUNDANT DATA DISKS	1	<b>←</b>	<b>←</b>
MANAGEMENT INFORMATION	REDUNDANT DATA MANAGEMENT SIZE	64 (kB)	<b>←</b>	<b>←</b>
	OPERATION MODE (NORMAL/FALLBACK)	FALLBACK	<b>←</b>	<b>←</b>
	FAILING STORAGE DEVICE ID	ID_2	<b>←</b>	<b>←</b>

FIG. 35

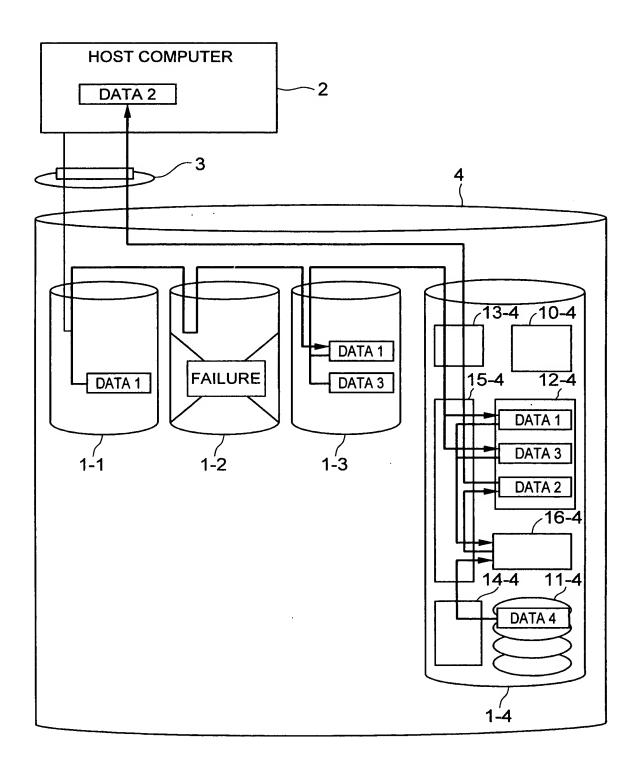


FIG. 36

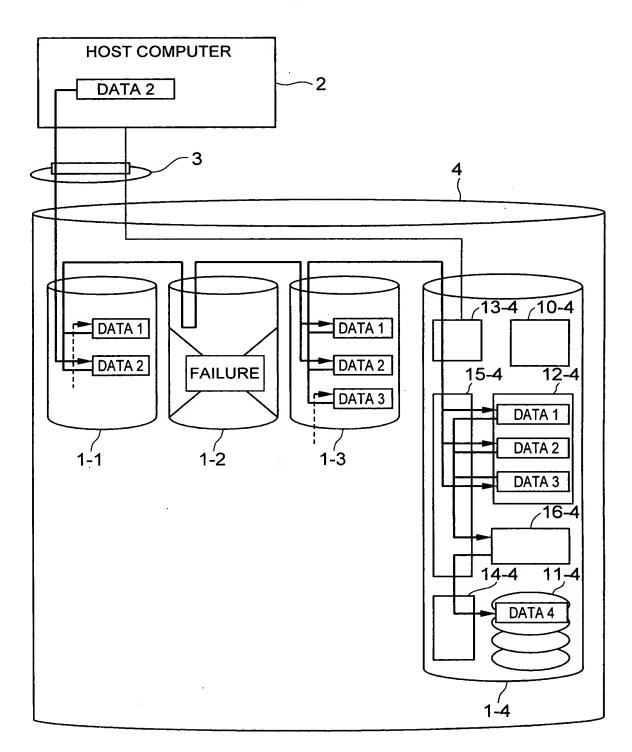


FIG. 37

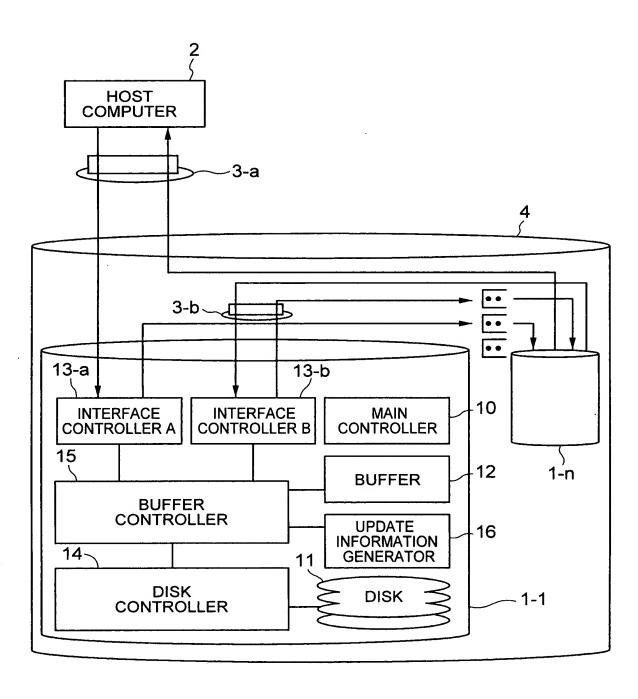


FIG. 38

